

Bristol Algorithms Days 2010

Feasibility Workshop

15 – 16 February 2010

The aim of this event is to explore new avenues of research in both the theoretical and practical aspects of algorithms. This year we will have as special themes pattern matching algorithms for streaming data and the new area of algorithms for power efficiency, although talks will not be restricted to those topics.

This workshop is funded by the Pure Mathematics and Algorithms theme of an EPSRC grant "Bridging the Gaps-Cross disciplinary Feasibility Account". This is an initiative to set up an environment that nurtures interdisciplinary working, with the aim of exploring new collaborative research programmes at the interface between mathematics and computer science.

Programme

Monday 15 February 2016

11 – 11.40am	SIPping from the firehose: Streaming Interactive Proofs for verifying computations Graham Cormode
11.40am – 12.20pm	Adaptive learning algorithms for data streams Patrick McSharry
12.20 – 1pm	Streams - A Scalable Streaming Analytics Platform from IBM Mark Feblowitz
2.30 – 3.20pm	Pattern matching in streaming data Raphaël Clifford & Benjamin Sach
3.20 – 4pm	Generating Random Permutations in Networks Artur Czumaj
4.30 – 5.10pm	Asynchronous rendezvous in 2D-spaces Leszek Gasieniec

Tuesday 16 February 2010

09.30 – 10.10am	Speed scaling to manage flow time and energy Lap-Kei Lee
10.10 – 10.50am	Energy efficient job scheduling with speed scaling and sleep management Prudence Wong
11.20am – 12pm teaching	Sage: free, open-source mathematical software that supports research and teaching John Cremona
12 – 12.40pm	Knights, spies, games and social networks Mark Wildon
2.20 – 3pm	Pattern Matching in the Rearrangement Model Amihood Amir
3.10 – 3.50pm	Can One Index for Searching with Errors? Moshe Lewenstein
3.50 – 4.30pm	Strings, points, braids and genes Alexander Tiskin